

Title (en)

Method for transferring messages comprising extensible markup language information

Title (de)

Verfahren zur Übertragung von Nachrichten mit erweiterbarer Markierungssprache-anlagen

Title (fr)

Procédé de transfert de messages contenant des informations de langue du balisage extensible

Publication

EP 1843542 A1 20071010 (EN)

Application

EP 06290573 A 20060404

Priority

EP 06290573 A 20060404

Abstract (en)

Methods for transferring messages (30) comprising extensible markup language information from sources (104) via intermediates (105) to destinations (106) are provided with hop-by-hop encryption / decryption processes instead of end-to-end encryption / decryption processes to reduce a complexity and to make non-encrypted messages (30) available inside the intermediates (105). The encryption / decryption processes are different per hop. An encryption / decryption of the message (30) comprises an encryption / decryption of one or more fields of the message (30) and may comprise an addition / detection of a signature. The message (30) may comprise a start envelope field (32), a header field (33-35), a body field (36-38) and a stop envelope field (39). The message (30) may comprise a simple object access protocol message or SOAP message.

IPC 8 full level

H04L 29/06 (2006.01)

CPC (source: EP KR US)

H04L 9/30 (2013.01 - KR); **H04L 63/0464** (2013.01 - EP US); **H04L 67/53** (2022.05 - EP US)

Citation (search report)

- [X] GERALD BROSE: "Securing Web Services with SOAP Security Proxies", THE 2003 INTERNATIONAL CONFERENCE ON WEB SERVICES (ICWS'03), 23 June 2003 (2003-06-23), XP002395650, Retrieved from the Internet <URL:http://www.xtradyn.de/documents/whitepapers/ICWS03-USA_Brose_WebServicesSecurity.pdf> [retrieved on 20060822]
- [X] LIEVEN DESMET, BART JACOBS, FRANK PIESSENS, AND WOUTER JOOSEN: "THREAT MODELLING FOR WEB SERVICES BASED WEB APPLICATIONS", EIGHTH IFIP TC-6 TC-11 CONFERENCE ON COMMUNICATIONS AND MULTIMEDIA SECURITY, CMS 2004, 15 September 2004 (2004-09-15) - 15 September 2004 (2004-09-15), XP002395651, Retrieved from the Internet <URL:http://sec.isi.salford.ac.uk/cms2004/Program/CMS2004final/p4a2.pdf#search=%22%22threat%20modelling%22%20desmet%22> [retrieved on 20060821]
- [X] D'ANGELO P ET AL: "Using a WAP phone as robot interface", PROCEEDINGS 2002 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (CAT. NO.02CH37292) IEEE PISCATAWAY, NJ, USA, vol. 2, 2002, pages 1173 - 1178 vol., XP002395652, ISBN: 0-7803-7272-7, Retrieved from the Internet <URL:http://ieeexplore.ieee.org/> [retrieved on 20060821]
- [X] JYH-HOW HUANG ET AL: "A level key infrastructure for secure and efficient group communication in wireless sensor networks", FIRST INTERNATIONAL CONFERENCE ON SECURITY AND PRIVACY FOR EMERGING AREAS IN COMMUNICATIONS NETWORK IEEE COMPUT. SOC LOS ALAMITOS, CA, USA, 2005, pages 249 - 260, XP002395653, ISBN: 0-7695-2369-2

Citation (examination)

- CURBERA F ET AL: "Unraveling the Web services web: an introduction to SOAP, WSDL, and UDDI", IEEE INTERNET COMPUTING, IEEE SERVICE CENTER, NEW YORK, NY, US, vol. 6, no. 2, 1 March 2002 (2002-03-01), pages 86 - 93, XP011094337, ISSN: 1089-7801, DOI: 10.1109/4236.991449
- BENOIT MARCHAL: "XML and Web Services: Understanding SOAP", 12 April 2002 (2002-04-12), XP055063154, Retrieved from the Internet <URL:http://www.informit.com/articles/article.aspx?p=26334&seqNum=6> [retrieved on 20130516]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1843542 A1 20071010; CN 101052029 A 20071010; CN 101052029 B 20150916; JP 2009532961 A 20090910; JP 2015181236 A 20151015; KR 101373032 B1 20140318; KR 20080108512 A 20081215; US 2007230689 A1 20071004; US 8559632 B2 20131015; WO 2007112824 A1 20071011

DOCDB simple family (application)

EP 06290573 A 20060404; CN 200710091369 A 20070330; EP 2007002116 W 20070307; JP 2009503446 A 20070307; JP 2015087435 A 20150422; KR 20087024159 A 20070307; US 69057407 A 20070323